

## CLAIMS

What is claimed is:

1 1. A method comprising:  
2 applying a forward error correction code to a group of data packets to  
3 create a coded group of packets by supplementing a set of parity packets to the  
4 group of data packets;  
5 transmitting the data packets, and transmitting a set of corresponding  
6 parity packets after the data packets have been sent;  
7 receiving a positive acknowledgement signal;  
8 in response to receiving the acknowledgement, ceasing to send  
9 additional parity packets, and  
10 in response to not receiving the acknowledgment, continuing to  
11 transmit the parity packets.

1 2. The method of claim 1, wherein the data packets include multi-media data  
2 packets, and the transmitting includes transmitting over a wireless network.

1 3. The method of claim 2, wherein transmitting the multi-media data packets  
2 includes multi-media streaming over an Internet Protocol (IP) network.

1 4. The method of claim 3, wherein the multi-media streaming includes streaming  
2 via IEEE 802.11 standard over a wireless network.

1 5. The method of claim 4, wherein the multi-media streaming includes  
2 suppressing physical layer acknowledgements via multicasting IP addresses.

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- 1 6. The method of claim 1, wherein the applying a forward error correction code  
2 includes applying a Reed-Solomon code to the data packets.
- 1 7. The method of claim 1, wherein the applying a forward error correction code  
2 includes applying a Tornado code to the data packets
- 1 8. The method of claim 1, wherein transmitting the group of packets includes  
2 interleaving and transmitting a second and separate group of data packets.
- 1 9. The method of claim 1, wherein the receiver sends multiple acknowledgement  
2 signals for a group of packets.
- 1 10. The method of claim 1, further includes manipulating the number of parity  
2 packets in response to data included in the acknowledgement.
- 1 ~~11.~~ A machine-readable storage media tangibly embodying a sequence of  
2 instructions executable by processor to perform a method comprising:  
3 applying a forward error correction code to a group of data packets to  
4 create a coded group of packets by supplementing a set of parity packets to the  
5 group of data packets;  
6 transmitting the data packets, and transmitting a set of corresponding  
7 parity packets after the data packets have been sent;  
8 receiving a positive acknowledgement signal;  
9 in response to receiving the acknowledgement, ceasing to send  
10 additional parity packets; and

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11 in response to not receiving the acknowledgment, continuing to transmit the parity  
12 packets.

1 ~~12.~~ The machine-readable storage media of claim 11, wherein the data packets  
2 include multi-media data packets, and the transmitting includes transmitting  
3 over a wireless network.

1 ~~13.~~ The machine-readable storage media of claim 12, wherein transmitting the  
2 multi-media data packets includes multi-media streaming over an Internet  
3 Protocol (IP) network.

1 14. The machine-readable storage media of claim 13, wherein the multi-media  
2 streaming includes streaming via IEEE 802.11 standard over a wireless  
3 network.

1 ~~15.~~ The machine-readable storage media of claim 14, wherein the multi-media  
2 streaming includes suppressing physical layer acknowledgements via  
3 multicasting IP addresses.

1 ~~16.~~ The machine-readable storage media of claim 11, wherein the applying a  
2 forward error correction code includes applying a Reed-Solomon code to the  
3 data packets.

1 ~~17.~~ The machine-readable storage media of claim 11, wherein the applying a  
2 forward error correction code includes applying a Tornado code to the data  
3 packets

1 ~~18.~~ The machine-readable storage media of claim 11, wherein transmitting the  
2 group of packets includes interleaving and transmitting a second and separate  
3 group of data packets.

1 ~~19.~~ The machine-readable storage media of claim 11, wherein the receiver sends  
2 multiple acknowledgement signals for a group of packets.

1 ~~20.~~ The machine-readable storage media of claim 11, further includes  
2 manipulating the number of parity packets in response to data included in the  
3 acknowledgement.

1 ~~21.~~ A system comprising:

2 An encoder to apply a forward error correction code to a group of data packets  
3 to create a coded group of packets by supplementing a set of parity  
4 packets to the group of data packets;

5 A transmitter to transmit the data packets to a receiver over a network, and  
6 transmit a set of corresponding parity packets;

7 A receiver to receive a positive acknowledgement signal, wherein in response  
8 to receiving the acknowledgement, the transmitter ceases to send  
9 additional parity packets, and in response to not receiving the  
10 acknowledgment, continuing to transmit the parity packets.

1 ~~22.~~ The system of claim 21, wherein the transmitter streams multi-media data  
2 packets over an Internet Protocol (IP) network.

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- 1 ~~23.~~ The system of claim 22, wherein the transmitter streams multi-media data  
2 packets via an IEEE 802.11 standard over a wireless network.
- 1 ~~24.~~ The system of claim 22, wherein the transmitter suppresses physical layer  
2 acknowledgements via multicasting IP addresses.
- 1 ~~25.~~ The system of claim 21, wherein the encoder applies a Reed-Solomon code to  
2 the data packets.
- 1 ~~26.~~ The system of claim 21, wherein the encoder applies a Tornado code to the  
2 data packets
- 1 ~~27.~~ The system of claim 21, wherein the transmitter interleaves a second and  
2 separate group of data packets with the group of data packets.